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# AQUARIUS 3.10 Update 3 Release Notes

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These release notes pertain to AQUARIUS 3.10 Update 3 , Build 311

## 1 Upgrading

Upgrading from a previous version of AQUARIUS to AQUARIUS 3.10 is described in the Workstation or Server sections of the AQUARIUS Install Guide.

If you are running an AQUARIUS Server release that is more recent than version 3.3, you can upgrade the application software directly to version 3.10. However you must still apply the database upgrades in sequence, e.g. 3.8 → 3.9 → 3.10.

## 2 Supported Platforms

Please refer to the AQUARIUS System Requirements document for a complete listing of all supported platforms.

SQL Server 2008 is deprecated and will not be supported in future releases.

Google Chrome is not supported beyond version 44. This is due to it no longer being capable of running the Microsoft Silverlight plug-in required by AQUARIUS.

## 3 New Features and Enhancements

### Reporting Enhancements

#### *New Report Templates*

- **Wind Rose Report:** produces a report showing wind rose computed from selected wind direction and wind speed time-series over a specified time range.
- **Daily Aggregates Overlaid by Year Chart:** produces a chart showing daily aggregates overlaid by year of a selected time-series over a specified time range.
- **AQDR-Percentiles Plot:** produces a chart showing the percent of time any particular value has been exceeded for the specified period of record
- **AQDR-Percentiles Tabular:** produces a table showing the percent of time any particular value has been exceeded for the specified period of record

#### *Improved Batch Processing*

The new **BatchReport.exe command-line application** provides the capability to use a single report definition as the basis for publishing many reports using a batch input file. The batch input file defines alternate values for properties of the report definition that are to be substituted for each report output. This provides a powerful and productive mechanism for bulk report publishing which can be set up to run automatically based on a schedule.

### Oracle 12c now supported

Oracle 12c (single tenant) is now supported.

### Ability to remove multiple corrections/flags/notes/approvals in one action in data correction toolbox

It is now possible to select multiple metadata entries (corrections, notes, flags, approvals) from the change list of the data correction toolbox and toggle them all off/on or delete them in a single action.

## ISO date format more consistently applied

The Data Correction, Descriptive Statistics, Profiling, Reporting, and Quick View toolboxes now use ISO date format.

## Profiling toolbox enhancements

The Profiling toolbox can now use a specified range of data values to select the colours that are used in the plot. Both the range and number of colours can be controlled, which makes it easier to visually compare and contrast different profiles.

## Publish API improvements

The following enhancements to the Publish API have been made:

- GetTimeSeriesData and GetTimeSeriesRawData are now configurable to return the full coverage of the requested time period even when there are no data points at the date/time boundaries.
- Data gaps are now returned in the output from GetTimeSeriesData and GetTimeSeriesRawData calls.

## 4 Known issues and limitations in this release

- AQ-11885 Having multiple rating curves with different independent parameters in single rating model object will render the rating model non-functional. To correct, one will need to reset the independent parameters for all curves to be the same.
- AQ-17688 Approvals will not propagate through to a Statistics Derived Time Series.
- AQ-17983 When reading a derived time series (statistical, calculated, rating) into whiteboard and subsequently writing it back to the AQUARIUS Server using the Write To Server toolbox, the time series is incorrectly written back as a rating curve derived signal instead of a basic time series.
- AQ-15340 Extra steps may be required to get AQUARIUS Workstation functioning correctly on Windows 8.1 and Windows 10. After installation, follow these steps:
  - i. Download and install the 2012 Visual C++ redistributable (if not already installed). To check installation status, see Control Panel → Programs and Features and look for listing “Microsoft Visual C++ 2012 Redistributable”. It can be downloaded here: <http://www.microsoft.com/en-ca/download/details.aspx?id=30679>
  - ii. Enable .Net 3.5.1 feature (Control Panel → Programs and Features → Turn Windows Features On or Off)
  - iii. Reboot
- Those installing AQUARIUS Server on Windows 2012 R2 will need to make the following configuration changes:
  1. In the Server Manager:
    - a. Click on ‘Add Roles and Features’
    - b. Click ‘Next’ until ‘Server Roles’ is selected in the left column
    - c. Scroll down the list of server roles and ensure that ‘Web Server (IIS)’ is installed. If it is not, select the check box and click the “Add Features” button in the subsequent pop-up window. Click ‘Next’
    - d. With ‘Features’ selected in the left column, add the following features:
      - i. under ‘.NET Framework 3.5 Features’ add ‘HTTP Activation’ and ‘Non-HTTP Activation’
      - ii. under ‘.NET Framework 4.5 Features’ add all of the WCF Services features
  2. Allow AQUARIUS Listener to run as an Interactive Service by changing the following registry value from the default of "1" to "0":  
`HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Windows\NoInteractiveServices`

## 5 Resolved Issues and Improvements from 3.10 Update 2 to 3.10 Update 3

- AQ-18108 - Fixed -- When a calculated-derived time-series uses different units than those of the basic time-series from which it is derived, its units remain stable – they are no longer converted back to the units of the original time-series.
- AQ- 13838 - Fixed – In the Data Correction Toolbox, the *Set Flag* dropdown action now works in all cases.
- AQ-18789 - Fixed – In the Rating Development Toolbox, there are no longer issues preventing the proper display of certain migrated standard equation curves.
- AQ-18820 - Fixed – In Springboard, *Export To File* no longer exports CSV files with their columns separated incorrectly, on computers with French Canada regional settings.
- AQ-18859 - Fixed – In the Reporting Toolbox, AQDR reports now work properly on computers with regional settings set to French Canada.
- AQ-18859 - Fixed – In the Reporting Toolbox, selecting an AQDR-Event Analysis report now works properly when it is the first selected report.
- AQ-18988 – Fixed – For statistics-derived time-series that use interpolated points, the minimum grade is now calculated correctly to include those points.
- AQ-18680 – Fixed - The password portion of the AqDataSource file will now be encrypted when AQ Manager saves database connection settings.

## 6 Resolved Issues and Improvements from 3.10 Update 1 to 3.10 Update 2

- AQ-18108 - Added – *Data Logger parser* now supports Sutron Accubar Bubbler format.
- AQ-18813 - Fixed – *Zoom buttons in QuickView* now show their correct tooltips.
- AQ-18782 - Fixed – *Numeric extended attributes* are now always displayed with a period as the decimal separator. This change affects:
  - Location Manager General tab: Latitude, Longitude, and Elevation boxes.
  - Data Sets – Extended Attributes section
  - Data Sets – Statistics section
  - Vertical Control - Elevation column
- AQ-18567 - Fixed – *Comments field in the Rating Development Toolbox* now displays extended ASCII characters correctly.
- AQ-18517 - Fixed – Changing the *approval level of a Standard Equation* no longer resets the equation value.
- AQ-17990 - Fixed – *Descriptive Statistics toolbox* now correctly computes the minimum value in all instances.
- AQ-16728 - Fixed – *Field Visit Tool* now correctly reports the date and time in all instances.





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For more information, please contact our support team.

We hope that you enjoy AQUARIUS!

## **Support**

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